

47. A printing system, including:

a scanning circuit for reading image data from a source;

a processor in communication with said scanning circuit, wherein said processor receives and processes the image data to generate an image file;

an image setter in communication with said processor, wherein said image setter receives said image file from said processor and produces a plurality of dots on a recordable medium, said plurality of dots including a first and a second dot within a halftone cell, wherein said first and second dots are dissimilar.

48. A program product, comprising:

a program configured to produce a plurality of dots on a recordable medium, wherein said plurality of dots include multiple frequencies; and

a signal bearing medium bearing said program.

49. The program product of claim 48, wherein said signal bearing medium includes at least one of a recordable medium and a transmission-type medium.

REMARKS

By this Preliminary Amendment, claims 29 and 32 have been canceled, claims 14, 20, 23, 26, 28 and 31 have been amended and claims 33-49 have been added to this application. Early and favorable consideration of this application is respectfully requested.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment.

Applicant does not believe that any fees are due in connection with this submission other than the excess claim fee. However, if such petition is due or any fees are necessary, the Commissioner may consider this to be a request for such and charge any necessary fees to deposit account 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS L.L.P.



Douglas A. Scholer
Reg. No. 52,197

2700 Carew Tower
441 Vine Street
Cincinnati, OH 45202
(513) 241-2324

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claims 29 and 32 have been canceled.

Claims 14, 20, 23, 26, 28 and 31 have been amended as follows:

14. (Amended) An apparatus comprising a recordable medium [printing plate] having a first and a second dot within a halftone cell [of a halftone screen], wherein at least a portion of said first dot overlaps at least a portion of said second dot.

20. (Amended) An apparatus comprising a recordable medium [printing plate] having a first and a second dot within a halftone cell [of a halftone screen], wherein said first and second dots are dissimilar.

23. (Amended) The apparatus according to claim 22 [21], wherein said different shape is selected from a group consisting of: elliptical, triangular, rectangular, circular, diamond and linear shapes.

26. (Amended) An apparatus comprising a halftone screen having a halftone cell derived from a threshold equation, wherein a fold function of said threshold equation generates at least one dot within said halftone cell according to fold(x) = [[[x] - 1/3] -1/3] -1/3] * 3.

28. (Amended) The program product of claim 27, wherein said signal bearing medium includes at least one of a recordable medium and a transmission-type medium.

31. (Amended) The program product of claim 30, wherein said signal bearing medium includes at least one of a recordable medium and a transmission-type medium.

Claims 33-49 have been added.